

ABSTRACT OF THE DISCLOSUREHIGH PEAK POWER OPTICAL RESONATOR AND COMBINATION OF  
SEVERAL OF THESE OPTICAL RESONATORS, PARTICULARLY TO  
EXCITE A LIGHT GENERATOR IN THE EXTREME ULTRAVIOLET

High peak power optical resonator and combination of several of these resonators, particularly to excite a light generator in the extreme ultraviolet.

Optical resonator with a solid state amplifying  
5 medium, this optical resonator being pulsed (2, 4, 6) and pumped by diodes operating continuously, and characterised in that it comprises:

- at least two laser rods (38a, 38b),
- at least one means of triggering optical pulses,  
10 this triggering means being located in the part of the cavity in which the laser beam diverges least, and
- two mirrors that delimit this cavity, one being highly reflecting (42) and the other being partly reflecting (44).

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Figure 5.